

1 9. (Amended) An apparatus comprising:

2 (a) a housing; and

3 (b) a motor disposed in said housing, said motor including:

4 (b-1) a cylindrical frame made of ferromagnetic material;

5 (b-2) a pipe fitted in and disposed within said frame
concentrically, the difference between an inner diameter of the frame and
6 an outer diameter of the pipe is between 0 μm and 20 μm ;

7 (b-3) a sintered bearing press-fitted into said pipe;

8 (b-4) a cylindrical magnet fixed on an outer wall of said pipe
9 at an inner wall of said magnet; and

10 (b-5) a cylindrical coil facing said magnet via an annular
11 space,

12 wherein said frame and said pipe are welded at a fitted section
13 therebetween.

5 (b-2) a sintered bearing fitted in and disposed within said
6 frame concentrically;

7 (b-3) a cylindrical magnet fixed on an outer wall of said
8 sintered bearing at an inner wall of said magnet; and

9 (b-4) a cylindrical coil facing said magnet via an annular
10 space, and

11 (c) a pipe fitted in and disposed within said frame
12 concentrically, the difference between an inner diameter of the frame and an
13 outer diameter of the pipe is between 0 μm and 20 μm ,

14 wherein said frame and said sintered bearing are welded at a fitted
15 section therebetween.